

CLAIMS

1. A sealing material composition
which comprises an alkenyl group-terminated
5 isobutylene-based polymer (A), a thermoplastic resin (B) and
a compound (C) containing at least two hydrosilyl groups within
the molecule thereof.

10 1 2. The sealing material composition according to Claim
which further comprises a carbon-carbon unsaturated
bond-containing functional group-containing compound (D),
which is different from the component (A).

15 3. The sealing material composition according to Claim
1 or 2
which further comprises at least one nitrogen
atom-containing compound (E) which is at least one species
selected from the group consisting of amines, amides and
20 carboxylic acid hydrazides.

4. The sealing material composition according to any one
of Claims 1 to 3
wherein the alkenyl group-terminated isobutylene-based
25 polymer (A) is crosslinked by the compound (C) containing at
least two hydrosilyl groups within the molecule thereof.

5. The sealing material composition according to Claim
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30 wherein the alkenyl group-terminated isobutylene-based
polymer (A) is dynamically crosslinked by the compound (C)
containing at least two hydrosilyl groups within the molecule
thereof in the step of melt kneading with the thermoplastic
resin (B).
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6. The sealing material composition according to any one of Claims 1 to 5

which further comprises a tackifier resin (F).

5 7. The sealing material composition according to any one of Claims 1 to 6

which further comprises an inorganic filler (G).

8. The sealing material composition according to any one
10 of Claims 1 to 7

which further comprises a plasticizer (H).

9. The sealing material composition according to any one of Claims 1 to 8

15 which further comprises an alkoxysilane compound (I).

10. The sealing material composition according to any one of Claims 1 to 9

wherein the thermoplastic resin (B) is at least one
20 species selected from the group consisting of thermoplastic elastomers, polyethylene, polypropylene, ethylene- α -olefin copolymers, polyisobutylene, isobutylene-isoprene copolymers (butyl rubbers), chlorinated butyl, brominated butyl, isobutylene-(p-methylstyrene) copolymers, and brominated
25 isobutylene-(p-methylstyrene) copolymers.

11. The sealing material composition according to Claim
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wherein the thermoplastic elastomer is a styrenic
30 thermoplastic elastomer and/or a thermoplastic polyurethane elastomer.

12. The sealing material composition according to Claim
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35 wherein the styrenic thermoplastic elastomer is an

isobutylene-based block copolymer (B1) composed of a polymer block (a) derived from an aromatic vinyl compound as the constituent monomer and a polymer block (b) derived from isobutylene as the constituent monomer.

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13. The sealing material composition according to Claim 12

wherein the isobutylene-based block copolymer (B1) is a triblock copolymer composed of a polymer block (a) derived from an aromatic vinyl compound as the constituent monomer/a polymer block (b) derived from isobutylene as the constituent monomer/a polymer block (a) derived from an aromatic vinyl compound as the constituent monomer.

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14. The sealing material composition according to Claim 12

wherein the isobutylene-based block copolymer (B1) is a diblock copolymer composed of a polymer block (a) derived from an aromatic vinyl compound as the constituent monomer and a polymer block (b) derived from isobutylene as the constituent monomer.

15. The sealing material composition according to any one of Claims 1 to 14

wherein the compound (C) is a polyorganohydrogensiloxane (C1) containing two or more hydrosilyl groups, on average, per molecule of the molecule thereof.

16. The sealing material composition according to Claim 15

wherein the polyorganohydrogensiloxane (C1) is a polyorganohydrogensiloxane comprising 2 to 200 siloxane units.

17. The sealing material composition according to any one of Claims 2 to 16

wherein the carbon-carbon unsaturated bond-containing functional group-containing compound (D) further has at least one functional group selected from the group consisting of an epoxy group, alkoxy groups, radical polymerizable unsaturated groups, a carboxyl group, a carboxylic acid anhydride group, halogen atoms and alkoxysilyl groups.

18. The sealing material composition according to Claim 17

10 wherein the carbon-carbon unsaturated bond-containing functional group-containing compound (D) is allyl glycidyl ether and/or monoallyl diglycidyl isocyanurate.

19. The sealing material composition according to any one of Claims 3 to 18

wherein the nitrogen atom-containing compound (E) is at least one species selected from among dicarboxylic acid hydrazides.

20. A sealing material which comprises the sealing material composition according to any one of Claims 1 to 19.

21. A sealing material for double glazing which comprises the sealing composition according to any one of Claims 1 to 19.

22. A spacer for double glazing which comprises the sealing material composition according to any one of Claims 1 to 19.